

From: Ralph Ludwig/ADA/USEPA/US
Sent: 1/4/2012 9:45:12 AM
To: Richard Rupert/R3/USEPA/US
CC:
Subject: Re: Fw: Dimock - Analytical Questions

Rich - What is the main general observation the homeowners have made? increased murkiness of their water? increased gas levels?

I have not received a copy of your SAP.

Ralph

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From: Richard Rupert/R3/USEPA/US
To: Ralph Ludwig/ADA/USEPA/US@EPA
Date: 01/04/2012 06:16 AM
Subject: Re: Fw: Dimock - Analytical Questions

Good morning... I am reluctant to even step outside this morning; I think it is about 8 right now.

thanks for the fast response. We have about 15 of the 18 main folks up here interviewed. I was surprised how clear it seems that there has been effects on aquifer and drinking water of the residents here. Although all the stories are different, they all seem to give compelling testimony to the insulting of their groundwater by drilling ops.

I think we will begin some sampling next week.

I did send you a copy of our final draft SAP didn't I?

Rich

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From: Ralph Ludwig/ADA/USEPA/US
To: Richard Rupert/R3/USEPA/US
Date: 01/03/2012 06:54 PM
Subject: Re: Fw: Dimock - Analytical Questions

Hi Rich,

Yes, I agree with statement/question 2. There is no need to do alkalinity, pH, sulfide, ferrous iron, or turbidity in the lab. Ferrous iron, however, is not a substitute for total iron. Total iron will still need to be done in the lab (ICP-OES).

Regarding statement/question 1, we use RSK-175 to quantify methane, ethane, propane, and butane.

I noticed the temperatures had plunged in PA. Hang in there. Hopefully things will warm up for you as the week progresses.

Cheers,

Ralph

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From: Richard Rupert/R3/USEPA/US
To: "Ralph Ludwig" <Ludwig.Ralph@epamail.epa.gov>
Date: 01/03/2012 05:32 PM
Subject: Fw: Dimock - Analytical Questions

Hi Ralph,

I am up in Dimock freezing right now.

Would you mind weighing in on question 2 please. I think I have the others covered, but always welcome comments so please feel free to offer your thoughts.

Thanks

Rich

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Subject: Dimock - Analytical Questions

Rich Rupert,

Hope you had a good Christmas and New Year.

We had a couple questions pertaining to the analysis of samples for Dimock, which I was hoping you could provide some clarification.

1. In an e-mail sent from you to Joe Carter on 12/22/11, you had specified a list of parameters that you wanted expedited turn-around-times for. One of them was methane. There are 2 methods being used to analyze for dissolved methane (Isotech and the RSK-175 Method). We are assuming you wanted it for the "Dissolved Gases, Methane, Ethane, & Ethene" by (RSK-175). Is this correct?
2. I wanted to point out that since we will be utilizing the HACH kits for field screening of turbidity, alkalinity, ferrous iron, and dissolved sulfide we removed any of these which had been on the list of parameters that will be analyzed by a laboratory. Additionally, we will be using the YSI water quality instrument to measure pH and a sample will not be submitted to a lab for pH analysis. Are you OK with this?
3. We have a lab lined up to analyze samples for "Bacteria (Fecal & total coliform, HPC)". The analytical method the lab uses for fecal coliform is "Method SM 9222B / Enumeration", for EColi Confirmation "Method Colitag - / No Enumeration", and for HPC "Method SM 9215B" Are these Methods acceptable?

We will have several more methods being proposed by laboratories tomorrow. I will send these proposed methods to you for confirmation as soon as we receive them.

Thanks,

Suddha Graves

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